

## Recombinant Human IL8

**Cat. No.** IL8-27457TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length human IL8; 77 amino acids, 8.9 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	The protein encoded by this gene is a member of the CXC chemokine family. This chemokine is one of the major mediators of the inflammatory response. This chemokine is secreted by several cell types. It functions as a chemoattractant, and is also a potent angiogenic factor. This gene is believed to play a role in the pathogenesis of bronchiolitis, a common respiratory tract disease caused by viral infection. This gene and other ten members of the CXC chemokine gene family form a chemokine gene cluster in a region mapped to chromosome 4q.
<b>Biological activity</b>	Biological Activity: Specific Activity of IL8 in chemotaxis of donor PBL neutrophils, threshold concentration corresponding to 25-150ng/ml.
<b>Form</b>	Lyophilised: Reconstitute in sterile 18MO-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. Upon reconstitution IL8-27457TH should be stored at 4°C between 2-7 days and for future use below -18°C. For long term sto
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: ddH2O

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<b>Storage</b>	Lyophilized protein should be stored below -20°C. Upon reconstitution aliquot and store below -18°C to prevent freeze-thaw cycles. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
<b>Sequences of amino acids</b>	The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Ala-Lys-Glu-Leu.
<b>Sequence Similarities</b>	Belongs to the intercrine alpha (chemokine CxC) family.
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">IL8 interleukin 8 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">IL8</a>
<b>Synonyms</b>	IL8; interleukin 8; interleukin-8; 3 10C; alveolar macrophage chemotactic factor I; AMCF I; b ENAP; beta endothelial cell derived neutrophil activating peptide; chemokine (C X C motif) ligand 8; CXCL8; GCP 1; GCP1; granulocyte chemotactic protein 1; IL 8;
<b>Gene ID</b>	<a href="#">3576</a>
<b>mRNA Refseq</b>	<a href="#">NM_000584</a>
<b>Protein Refseq</b>	<a href="#">NP_000575</a>
<b>MIM</b>	<a href="#">146930</a>

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<b>Uniprot ID</b>	P10145
<b>Chromosome Location</b>	4q13-q21
<b>Pathway</b>	ATF-2 transcription factor network, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem;
<b>Function</b>	chemokine activity; interleukin-8 receptor binding; protein binding;

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